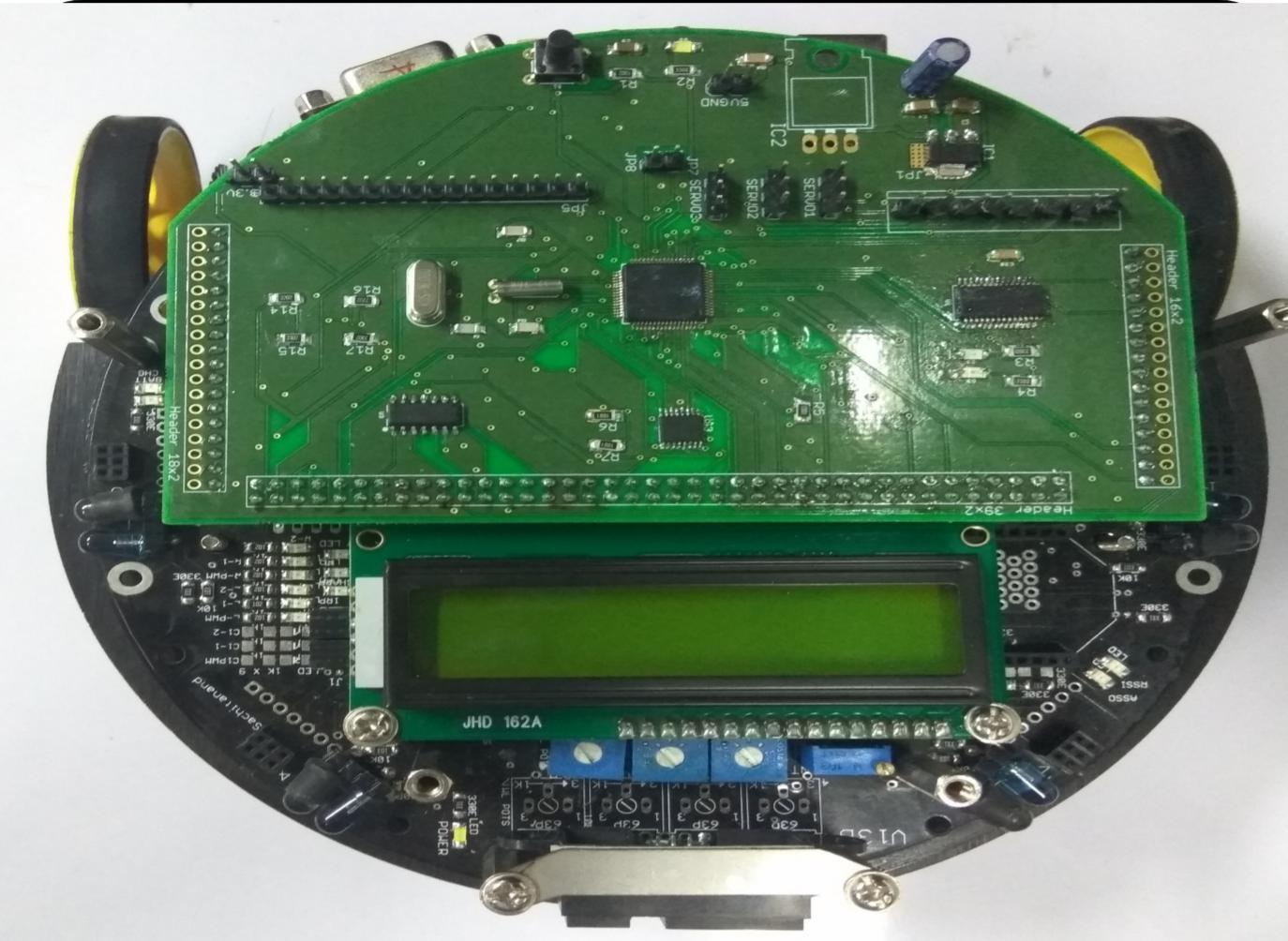
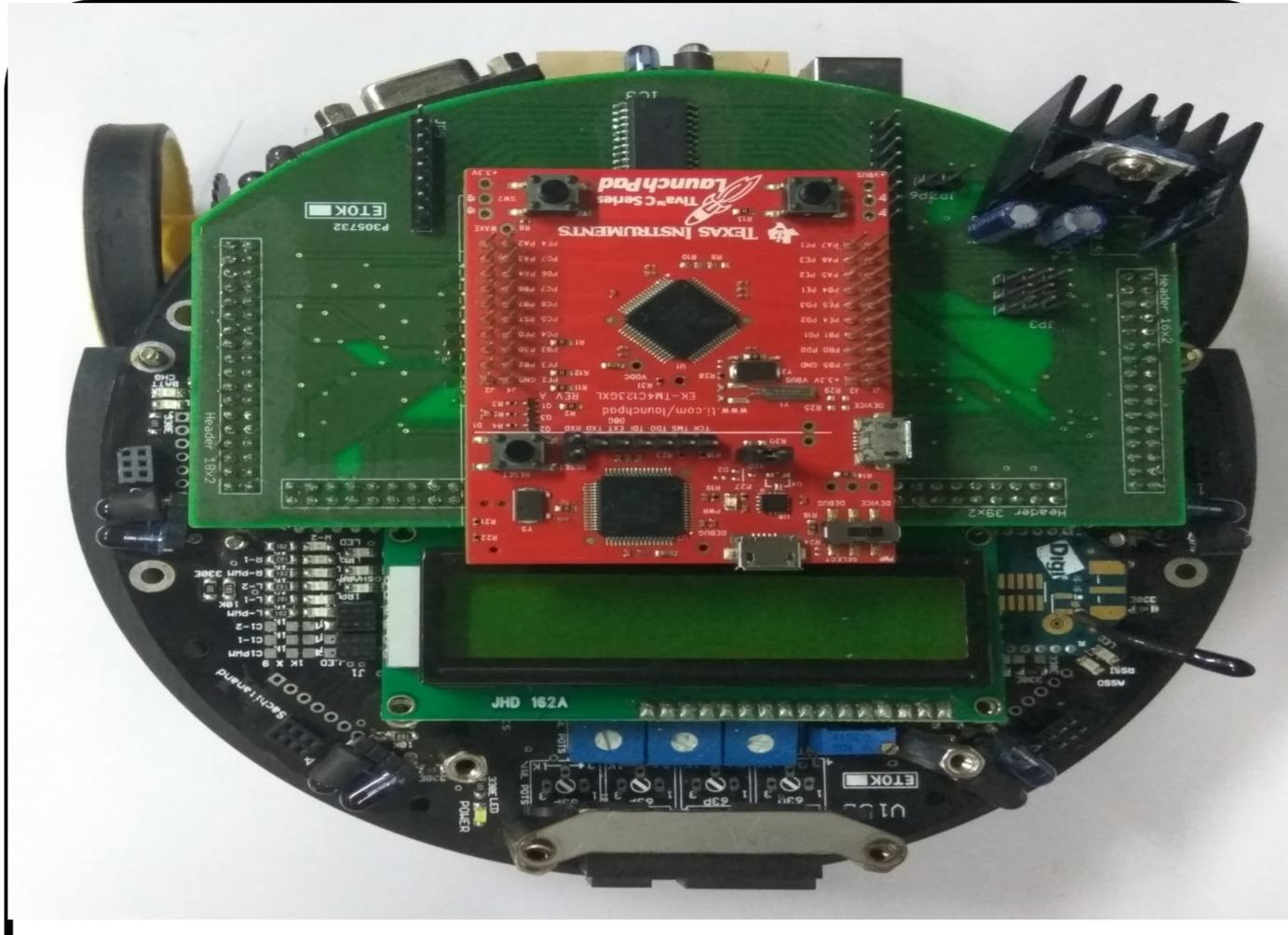


Development of TIVA based Daughter Board for Firebird V

Ayush Gaurav, Nagesh K Mentors: Piyush Manvar, Saurav Shandilya



1. Three white line sensors (extendable to 7)
2. Five Sharp GP2Y0A02YK IR range sensor
3. Eight analog IR proximity sensors
4. Two position encoders
5. USB Communication
6. Wireless ZigBee Communication
7. Bluetooth communication
8. I2C Communication



1. 32 bit ARM Cortex M4 based Processor
2. Upto 80 MHz Clock
3. On board Realtime Debugger
4. Compatible with CAN Protocol
5. 16-bit SIMD vector processing unit
6. 20 Available ADC channels.
7. 16 GPIO Pins with Interrupt

